



# Introduction of New Advanced Wireless Services

ET Docket No. 00-258

July 16, 2003

# Introducing DECT to the US Market

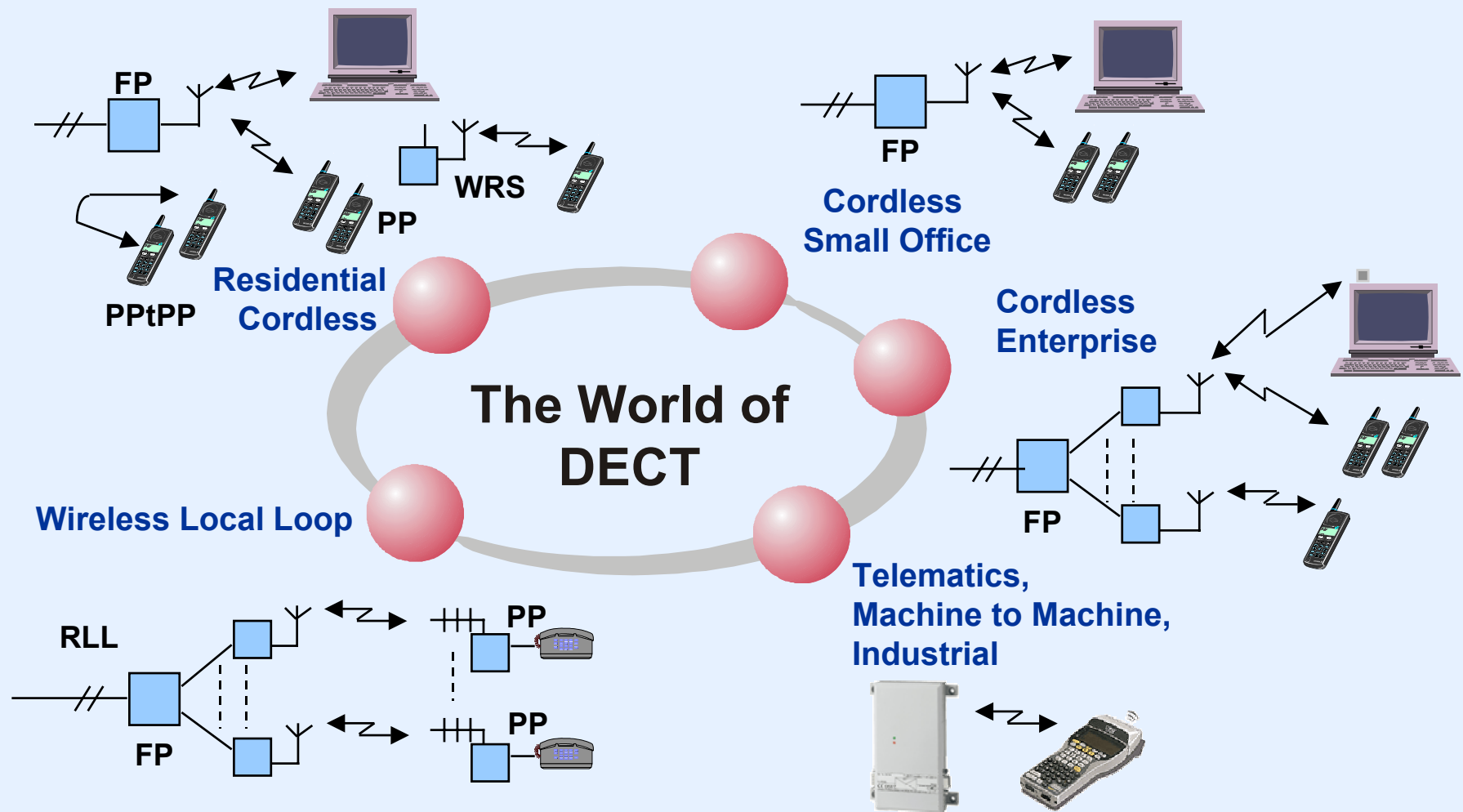
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mobile

- Digital Enhanced Cordless Telecommunications
- Enables Voice and Multimedia Traffic
- Common Standard Developed by ETSI
- Designed for Residential Use and In-Building and Picocell Applications



# DECT Solutions

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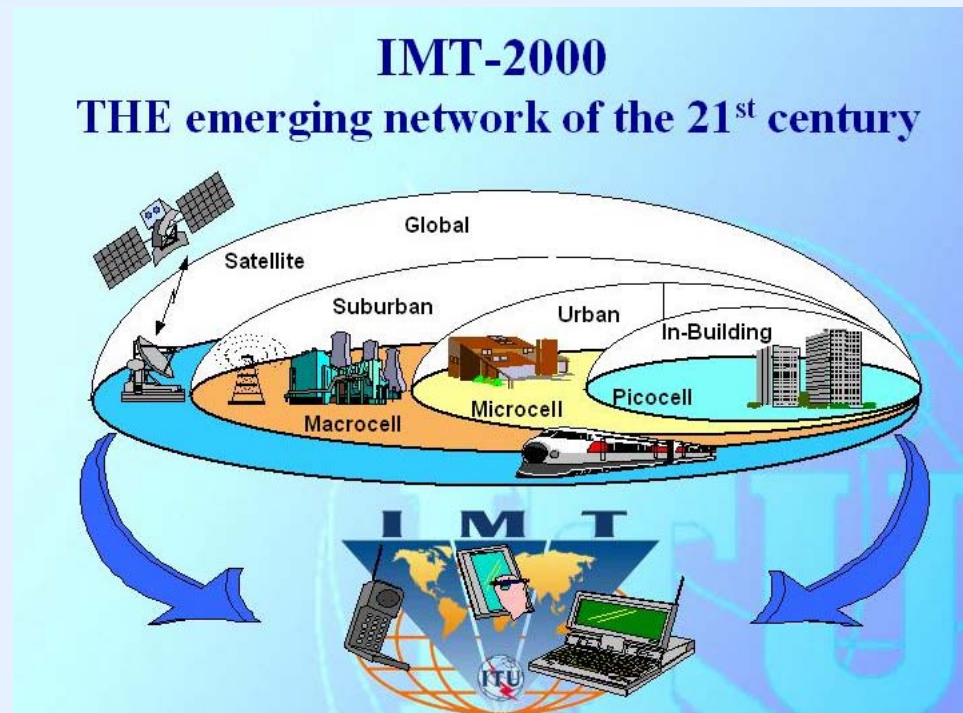


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## Asia-Pacific: 22 countries

# DECT is recommended by ITU for 3G deployment (IMT-2000)

**DECT is the only IMT-2000 family member optimized for uncoordinated use on unlicensed spectrum**



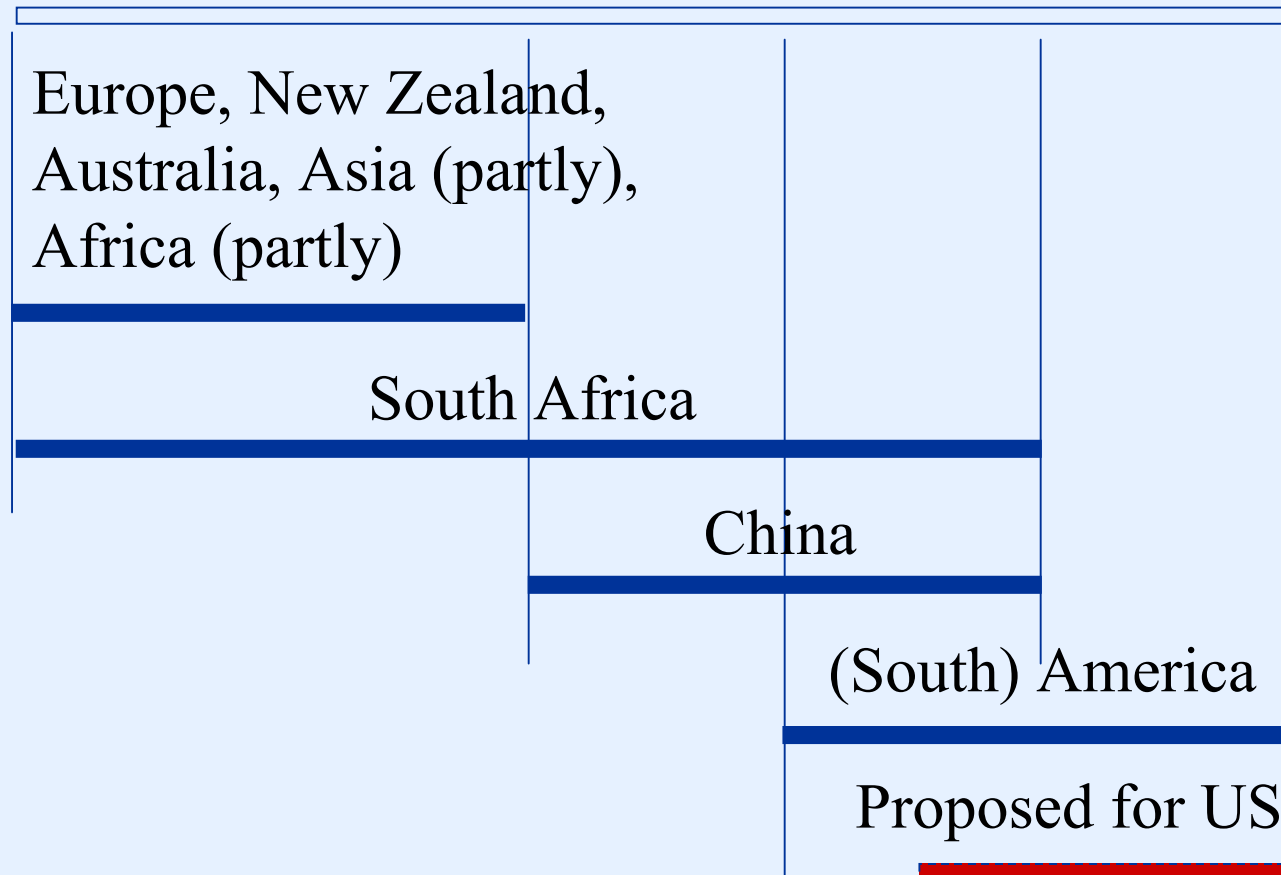
## IMT 2000 Terrestrial Radio Interfaces



IMT-2000 CDMA Direct Spread	IMT-2000 CDMA Multi-Carrier	IMT-2000 CDMA TDD	IMT-2000 TDMA Single Carrier	IMT-2000 FDMA/ TDMA
WCDMA (UMTS)	CDMA2000 1X and 3X	UTRA TDD and TD-SCDMA	UWC-136/ EDGE	DECT

# DECT Frequencies

1880      1890      1900      1910      1920      1930 MHz



# Benefits To US Consumer

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- **Low Cost for High Quality Cordless Phone**
  - Economies of Scale (50 million DECT /year)
- **High Capacity for Voice Quality**
  - Better Utilization of Bandwidth
  - CD Quality Voice & User Features
- **Co-Existence with Emerging Wireless LAN Standards**
- **High Voice Security Standards (encryption technology built in)**





# FCC Action Necessary

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- Reallocation of 1915-1920 MHz to isochronous UPCS
- Reallocation of 1910-1915 MHz to G-block
- Modification of channelization rules
- Modification of bandwidth rules
- Modification of power level rules





# Conclusion

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- Mature Technology
- Benefit to Consumers
- Efficient Use of Spectrum
- Minimal Technical Rule Modifications

